Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	06/01/2018 09:25 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	05/12/2018 04:21 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80291	Expiration Date:	02/29/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124696	-1	1.34	124726	1.30
Blue	F	SSC	125000	123472	-2	2.15	124082	2.15
Blue	E	FITC	15760	15290	-3	3.02	329	22.08
Blue	D	PE	25880	25275	-3	2.16	547	16.73
Blue	B	PerCP-Cy5-5	34075	34171	0	4.21	1042	22.35
Blue	A	PE-Cy7	22776	23141	1	7.35	561	44.48
Red	C	APC	42488	41953	-2	2.74	1588	12.98
Red	A	APC-Cy7	24478	24210	-2	2.77	828	12.87
Violet	B	V450	6304	6173	-3	4.16	365	16.06
Violet	A	V500	26005	25081	-4	3.78	592	12.91

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20648	4.88	606	9	N/A	N/A	Pass
Blue	F	SSC	55770	2.14	570	15	N/A	N/A	Pass
Blue	E	FITC	57	75.94	560	4	0.0170	244	Pass
Blue	D	PE	113	58.57	554	5	0.1342	321	Pass
Blue	B	PerCP-Cy5-5	200	55.99	654	7	0.0078	137	Pass
Blue	A	PE-Cy7	108	113.60	707	10	0.0095	35	Pass
Red	C	APC	377	28.24	601	1	0.0219	245	Pass
Red	A	APC-Cy7	203	28.78	571	0	0.0049	1192	Pass
Violet	B	V450	68	66.12	491	2	0.0372	3257	Pass
Violet	A	V500	90	45.39	507	1	0.0141	1294	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.32	-31.04	0.92
Blue	20.35	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.40
Red	16.87	13.60 - 20.40	N/A	N/A	31.06	31.39	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 12941

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments